Secrt. II-27—100,000—21-5-53.

Devt (1958) Department.

SERIES.

~~G.O. No.~~

Dated 25-8-41

[Despatch Abstract.]

AGRICULTURE : I.C.A.R : SCHEME FOR THE IMPROVEMENT OF PULSES IN MADRAS : PROPOSALS FOR THE EXTENSION OF THE SCHEME : FORWARDED.

GOVERNMENT OF MADRAS
Development Department.

Letter (Ms) No. 4390. Dated, the 25th August 1948.

From

C.V. Narasimhan, Esq., I.C.S.,
Deputy Secretary to Government.

To

The Secretary to the Indian Council of
Agricultural Research, NEW DELHI.

Sir,

Sub: AGRICULTURE - Indian Council of Agricultural Research - Scheme for the improvement of Pulses in Madras - Proposa for the extension of the Scheme - Forwarded.
Ref: Your letter No.F.45(9)/46-A dated the 19th February 1948

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In the letter cited, the Indian Council of Agricultural Research sanctioned the continuance of the scheme for the Improvement of Pulses in Madras for a period of one year from the 17th May 1948. The Government of Madras consider that the scheme should be continued for at least two more years from the 17th May 1949, the date of expiry of the present sanction of the scheme for the following reasons

(1) There are 106 cultures of red-gram, horsegram, cowpea and D.Lablab which have to be tested further for their yield and quality prior to choosing the strain for each species.

(2) As the season had been adverse more than once in the past years, 365 cultures of blackgram, green-gram and Bengalgram have to be tried again in the coming years prior to assay by yield-tests.

(3) The trials of mixed cropping with cereals have to be conducted for two more seasons to get conclusive results.

(4) Investigations on the preparation of pulses for the market have to be conducted.

2. I am accordingly directed to forward herewith proposals for the continuance of the scheme for a period of two years from the 17th May 1949. The extension Scheme is estimated to cost Rs.73,818 for two years. The shares of the Indian Council of Agricultural Research and the Provincial Government are Rs. 19,575/8/ and Rs. 54,242/8/- respectively.

3. I am to request that the sanction of the Indian Council of Agricultural Research for the continuance of the scheme may be obtained and communicated to this Government an early date.

Yours faithfully,

C.V. NARASIMHAN
Deputy Secretary to Government.

Copy to the Director of Agriculture. He is requested to submit the usual number of printed copies of the scheme for forwarding to the Indian Council of Agricultural Research.

INDIAN COUNCIL OF AGRICULTURAL RESEARCH.

SCHEME FOR IMPROVEMENT OF PULSES - MADRAS PROVINCE.

Proposals for extension from 17th May 1949 to 16th May 1951.

INTRODUCT... In G.O. Ms. No. 488 Dev. dated 3-4-1943, sanction was accorded by the Government of Madras for the Scheme of Improvement of Pulses in the Province, tenable for 5 years, at a total cost of Rs. 61,000 of which Rs. 19,700 had to be met by the Indian Council of Agricultural Research. Accordingly, the five year scheme was put on hand on 17th May 1943 and it came to a close on 16th May 1948. Meanwhile proposals were sent for extending the scheme for a further period of three years, as the work had not come to the final stage. Subsequently the Indian Council of Agricultural Research extended the term of the scheme for one year from 17th May 1948, with a provisic that it will be further extended for two more years after inspection of the work and on the recommendation of an expert from Indian Council of Agricultural Research, who will go round to examine the progress of Pulses Schemes in India. It is necessary that an extension of the period of the scheme for two more years from 17th May 1949 to 16th May 1951 is granted to work and bring the trials now in various stages to a successful conclusion. A brief review of the progress of the scheme for these five years is given below:

DETAILS OF WORK DONE SO FAR UNDER THE SCHEME.

Though the five year scheme was sanctioned in April 1943, the appointment of staff and getting ready the equipment needed took some time, and so it became too late for the growing of early pulses at Coimbatore, Salem and Vizianagaram. However, the collection and growing of 94 samples of redgram, 121 of horsegram, 125 of green gram, 73 of blackgram, 33 of cowpea, 46 of field lal-lab and 23 of Bengalgram resulted in isolating 507 cultures in Redgram, 410 in Horsegram, 538 in Greengram, 419 in Blackgram, 190 in Cowpea, 129 in Lab-lab and 120 in Bengalgram, in all the three stations together. In addition, work on the 85 cultrues from different pulses together with 150 type collections of pulses varieties transferred by the Cotton Specialist and Millet Specailist had to be pursued. As a result of four years' trails, the cultures in Redgram, Horsegram, Field lab-lab and Cowpea have neared their final stage and the best culture of each of these pulses would be ready to be released for general cultivation in a couple of years, after final trials on the three pulses stations. Alongsie, tests will be made in the districts under ryot's conditions of all the cultures to be issued as strains to judge their suitability for the conditions pertaining in villages.

SUMMARY OF THE STEPS TAKEN TO CARRY THE RESULTS OF RESEARCH WORK TO CULTIVATORS.

Strains 1723, 2900, and 3009 of Redgram, 468, 482 and 2965 of Bengalgram, C.419, C.422 and C.521 of Cowpea and D.L.1428 and D.L.231 of Lab-lab released already are becoming popular. For example, seeds of strain 482 of Bengalgram to the extent of 2000 lbs. were issued to the cultivators round about Anantapur last year, where over 100 acres were cropped with this one strain. This year, seeds gathered from the previous crop will be raised under primary seed farm conditions over 130 acres in the three districts of Kurnool, Bellary and Anantap for large scale distribution. Again this year, the suitability of so of the outstanding cultures of Redgram, Horsegram and Bengalgram are being tried under conditions pertaining in villages in 12 districts in 72 centres, as a preliminary to large scale multiplication and distribution of the strains.

ITEMS PROPOSED TO BE TAKEN UP DURING THE EXTENSION PERIOD JUSTIFYING THE NEED FOR EXTENSION.

In the first year, much work could not be done, due to the late beginning of the scheme and the preliminaries to be attende to. However, the beginnings of selection work in the isolation siggle plants in Redgram, Blackgram, Greengram, Bengalgram, Co and lab-lab were made and pushed through in the two succeedin

years, and in the fourth year the rate of progress of the previous could not be maintained due to the failure of south West Monsoon. The fifth year was probably, the worst year, in which both the South West Monsoon and North East Monsoon proved disappointing and practically very little progress was recorded. As it is, there are 106 cultures from the first batch of selections of all the pulses like Redgram, Horsegram, Cowpea and Dolischos Lab-lab, which await further reduction of their number and choice of the best culture of each of the pulses by trials on the three research stations and in the districts under ryot's conditions. Further, due to the vagaries of season, the first batch of cultures of Blackgram, Greengram and Bengalgram 365 in number await further trials. Also, the second and third batch of selections of the different pulses taken in subsequent years are also to be tried for their yields. The experiments on Mixed Cropping will have to be conducted on all the three stations for two years and more. Cooking tests and preparation of some of the pulses for the market are also to be attended to. District trials of the est cultures of each of the different pulses are to be laid out in many districts to know their performances. Above all, the strains of Redgram, Bengalgram, Horsegram and Cowpea already released have to be popularised more and more and hence the extension is sought for.

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BUDGET ABSTRACT FOR THE EXTENSION PERIOD

| To be borne by the Madras Government. | I YEAR Rs | II YEAR Rs | TOTAL. Rs |
|---|---|---|---|
| 1 Pay of Officer. | ,487 | 4,680 | 9,167 |
| 2 Pay of Establishment. | ,486 | 5,738 | 11,224 |
| 3. Dearness Allowance. | 2,947 | 3,005 | 5,952 |
| 4 House Allowance. | 312 | 312 | 624 |
| 5 Travelling Allowance | 1,300 | 1,300 | 2,600 |
| 6 Lease of land. | 2,550 | 2,550 | 5,100 |
| Total. | 17,082 | 17,585 | 34,667 |
| To be shared between the Madras Govt. and the Indian Council of Agricultural Research. | | | |
| 1 Pay of Establishment. | 7,660 | 7,912 | 15,572 |
| 2 Dearness allowance | 2,825 | 2,888 | 5,713 |
| 3 House Allowance | 60 | 60 | 120 |
| 4 Travelling Allowance | ,000 | 1,000 | 2,000 |
| 5 Other charges. | 7,7873 | 7,873 | 15,746 |
| Total. | 19,418 | 19,733 | 39,151 |
| Share of the Council - 50 : 50. | 9,709 | 9,866/8 | 19,575/8 |

Detailed Budget Estimate under each unit of appropriation, as pay of Officer, pay of establishment, etc., separately for each of the two years (from 17th May 1949 to 16th May 1950 and 17th May 1950 to 16th May 1951).

TO BE BURELY BORNE BY THE MADRAS GOVERNMENT:-

| | ear - | II Year | III Years. |
|---|---|---|---|
| Pay of officer - at Rs.300 p.m. increment due on 12-10-49 in the scale of 230-30/2-260-40/2-500-50/2-700 and special pay at Rs.50 er mensem. | 4486/8 | 4,680 | 9,168/8 |
| Pay of establishment: Two assistants at Rs.115 p.m. increment due on 25-2-50 and 25-2-51 | 2786/9 | 2906/11 | 5693/4 |
| (a)and another Assistant at Rs.115 p.m increment due on 24-2-50 and 24.2.51 (in the revised scale of pay 1947) | | | |

| | I Year. | II Year | III Years. |
|---|---|---|---|
| | Rs | Rs | Rs. |
| 2. (b) 2 fieldmen one at Rs.45 p.m. increment due on 1-1-50 and 1-1-51 and another at Rs.51 p.m. increment due on 31-1-50 and 31-1-51 (in the revised scale of pay) | 1,168/2 | 1,216/2 | 2,384/4 |
| (c) One Clerk at Rs.45 p.m. Increment due on 1-1-50 and 1-1-51 (in the revised scale of pay) | 553/8 | 589/9 | 1,143/1 |
| (d) One Typist at Rs.45 p.m. increment due on 1-1-50 and 1-1-51 (in the revised scale of pay) | 553/8 | 589/9 | 1,143/1 |
| (e) 2 Peons at Rs.17½ p.m. increment due on 1-1-50 and 1-1-51 in the revised scale of pay. | 424/8 | 436/8 | 861/ |
| Total. | 5,486/11 | 5,738/7 | 11,224/10 |
| 3.Dearness Allowance: | | | |
| (a) Dearness allowance to Officer @ 17½ per cent of pay. | 782/ | 816/ | 1,598 |
| (b) Dearness allowance to Establishment | | | |
| 1. 2 Assts. each at 17½ of pay plus Rs. 8 p.m. | 677/ | 701/ | 1,378 |
| 2. 2 fieldmen at Rs.22 p.m. each. | 528 | 528 | 1,056 |
| 3. One Clerk at Rs.22 p.m. | 264 | 264 | 528 |
| 4 One Typist at Rs.22 p.m. | 264 | 264 | 528 |
| 5 Two peons at Rs.18 p.m. each. | 432 | 432 | 864 |
| Total. | 2,947 | 3,005/ | 5,952/ |
| 4.House Allowance: For clerk,Typist and two fieldmen each @ Rs.6/8/-p.m. (4 x 6½ x 12 months) | 312 | 312 | 624 |
| 5.Travelling Allowance. For Officer | 1,000 | 1,000 | 2,000 |
| For Two Assistants. | 300 | 300 | 600 |
| Total. | 1,300 | 1,300 | 2,600 |
| 6. Lease of Land: | | | |
| Vizianagaram 12.69 acres @ Rs 120 | 1,525 | 1,525 | 3,050 |
| Dharmapuri 13.61 acres @ Rs.75 | 1,025 | 1,025 | 2,050 |
| Coimbatore ... | - | - | - |
| | 2,550 | 2,550 | 5,100 |
| To be borne by the Indian Council of Agricultural Research and Madras Government on 50: 50 basis. | | | |
| Pay of establishment. 1 Asst. at Rs.150 p.m. increment due on 1-1-50 and 1-1-51; 1 at Rs.120 p.m. (increment due on 24-8-49 in the old scale) and at Rs.135 p.m. from 24-8-49 and increment due on 24-8-50 in the revised scale of pay 1947 | 1,845/2 | 1,965/ | 3,810/2 |
| one at Rs.115 p.m. increment due on 1-1-50 and 1-1-51 in the revised scales of pay 1947. | 1,569/1 | 1,527/9 | 3,096/10 |
| (b)3 fieldmen at one at Rs.51 p.m. increment due on 1-1-50 and 1-1-51 and the other two @ Rs.45 p.m. increment due on 1-1-50 and 1-1-1951 | 1,402/9 | 1,462/9 | 2,865/2 |
| (c) 3 Maistries each at Rs.25 p.m. increment due on 1-1-50 and 1-1-51 | 621/1 | 645/0 | 1,266/1 |
| and 1 @ Rs.25 p.m. increment due on 13-2-50 and 13-2-51 | 1,098/1 | 1,146/1 | 2,244/2 |
| (d) One peon @ Rs.17½ p.m. increment due on 31-1-50 and 31-1-51 | 609/ | 633/1 | 1,242/1 |
| Total. | 303/2 | 315/1 | 618/3 |
| | 211/13 | 217/12 | 429/ |
| | 7,659/13 | 7,912/4 | 15,572 |

| | I Year. Rs. | II Year. Rs. | III Years. Rs- |
|---|---|---|---|
| 2.Dearness Allowance. | | | |
| (a) 3 Assts. each @ Rs.17½% of pay plus Rs.8 p.m. | 53/ | 1,196/ | 2,329/ |
| (b) 3 fieldmen @ Rs.22 p.m. each | 02/ | 792/ | 1,584/ |
| (c) 3 Maistries each @ Rs.19 each | 684 | 684 | 1,366/ |
| (d) 1 peon at Rs.18 p.m. | 216 | 216 | 432 |
| Total. | 2,825 | 2,888 | 5,713 |
| 3. House Allowance - For one fieldman at Rs.5 p.m. | 60 | 60 | 120 |
| 4. Travelling Allowance: For three Assistants. | 1,000 | 1,000 | 2,000 |
| 5. Other Charges: | | | |
| (a) Cost of cultivation: | | | |
| Vizianagram 12.69 acres @ Rs.60 . | 765 | 765 | |
| Dharmapuri 13.61 acres @ Rs.50 per acre | 685 | 685 | |
| Coimbatore. 30 acres @ Rs.40 per acre. | 1,200 | 1,200 | |
| | 2,650 | 2,650 | 5,300 |
| (b) Experimental work: | | | |
| Vizianagram 12.69 acres @ Rs.40 per acre. | 510 | 510 | |
| Dharmapuri-13.61 acres @ Rs.20 " | 275 | 275 | |
| Coimbatore 30 acres @ Rs.40 per acre | 1,200 | 1,200 | |
| | 1,985 | 1,985 | 970 |
| (c) Dearness Allowance to menials. | | | |
| One Sweeper and one watchman @ Rs.18 | 438 | 438 | 876/ |
| (d) Miscellaneous charges.- | | | |
| Vizinagram | 500 | 500 | |
| Dharmapuri | 500 | 500 | |
| Coimbatore | 1,000 | 1,000 | |
| | 2,000 | 2,000 | |
| (e) Other Charges Contingencies: | | | |
| Vizianagram | 50 | 50 | |
| Dharmapuri | 50 | 50 | |
| Coimbatore | 700 | 700 | |
| | 800 | 800 | 1,600 |
| Total | | | 15,476. |

/True copy/

V. Jayaseelan 11.3.54
Office Assistant,
Madras Record Office, Egmore.